

# **Profiler Series MODEL 5**

**Compact Stereo Guitar Amplifier  
with DSP and 11 Amp Profiles**



**CRATE®**

**Owner's Manual**

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**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**PRECAUCION**  
RIESGO DE CORRIENTAZO  
NO ABRA

PRECAUCION: PARA REDUCIR EL RIESGO DE INCENDIOS O DESCARGAS ELECTRICAS, NO PERMITA QUE ESTE APARATO QUEZUE EXPUESTO A LA LLUVIA O LA HUMEDAD. PARA DISMINUIR EL RIESGO DE CORRIENTAZO, NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDA REPARAR DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.

**ATTENTION**  
RISSQUE D'ELECTROCUTION  
NE PAS OUVRIR

ATTENTION: PROTEGEZ CET APPAREIL DE LA PLUIE ET DE L'HUMIDITE AFIN D'EVITER TOUT RISQUE D'INCENDIE OU D'ELECTROCUTION. POUR REDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIECE INTERNE N'EST REPARABLE PAR L'UTILISATEUR. POUR TOUTE REPARATION, S'ADRESSEZ A UN TECHNICIEN QUALIFIE.

### IMPORTANT SAFETY INSTRUCTIONS

- READ, FOLLOW, HEED, AND KEEP ALL INSTRUCTIONS AND WARNINGS.
- DO NOT OPERATE NEAR ANY HEAT SOURCE AND DO NOT BLOCK ANY VENTILATION OPENINGS ON THIS APPARATUS. FOR PROPER OPERATION, THIS UNIT REQUIRES 3" (75mm) OF WELL VENTILATED SPACE AROUND HEATSINKS AND OTHER AIR FLOW PROVISIONS IN THE CABINET.
- DO NOT USE THIS APPARATUS NEAR SPLASHING, FALLING, SPRAYING, OR STANDING LIQUIDS.
- CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS.
- ONLY CONNECT AC ADAPTER TO A POLARIZED, SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRICAL CODES AND COMPATIBLE WITH VOLTAGE, POWER, AND FREQUENCY REQUIREMENTS STATED ON THE APPARATUS.
- PROTECT THE POWER CORD FROM DAMAGE DUE TO BEING WALKED ON, PINCHED, OR STRAINED.
- UNPLUG THE APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.
- ONLY USE ATTACHMENTS, ACCESSORIES, STANDS, OR BRACKETS SPECIFIED BY THE MANUFACTURER FOR SAFE OPERATION AND TO AVOID INJURY.
- WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK OR FIRE, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
- SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.
- OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME.
- WARNING: WHEN USING THE AC ADAPTER, CONNECT TO AN OUTLET WIRED TO CURRENT ELECTRIC CODES HAVING THE LINE SUPPLY VOLTAGE, POWER, AND FREQUENCY IDENTIFIED ON THE AC ADAPTER. THE OUTLET MUST REMAIN ACCESSIBLE TO DISCONNECT THE UNIT IF A FAULT SHOULD ARISE WHILE IN USE. THIS UNIT SHOULD BE UNPLUGGED WHEN NOT IN USE.

EXPLANATION OF GRAPHICAL SYMBOLS:

EXPLICACION DE SIMBOLOS GRAFICOS:

EXPLICATION DES SYMBOLES GRAPHIQUES:



"DANGEROUS VOLTAGE"

"VOLTAJE PELIGROSO"

"DANGER HAUTE TENSION"



"IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL"

"ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES."

"REFERREZ-VOUS AU MANUEL D'UTILISATION"

## Introduction

**Congratulations!** You are now the proud owner of the Crate Profiler Model 5 compact five-watt stereo guitar amplifier with advanced digital signal processing (DSP) and 11 classic amp profiles. This portable amplifier has guitar strap pegs on each side for hands-free transport, and a battery compartment for operating when AC power isn't available.

This rugged amplifier combines outstanding features with serious clean and distorted sounds. Digital Reverb, Delay, and Effects provide you with a wide variety of stereo sounds. Crate's unique Profile Tracking feature automatically stores your DSP settings for each profile to memory. As you switch from one profile to another, the last DSP settings for the selected profile are instantly recalled. A rear panel 1/8" stereo audio input jack allows you to play along with your CD player, MP3 player, or iPod. There is also a headphone output for private listening, and a jack for connecting the supplied AC adapter whenever AC power is available.

The Profiler Model 5 also includes a CD-R with Tracktion, Mackie's powerful audio and MIDI sequencing software for digital recording on a PC or Mac. Simply connect the USB port on the Profiler Model 5 to your computer and record your music into Tracktion (or any other DAW software application).



Like all Crate products, your Profiler Model 5 amplifier is designed by musicians and built using only the best components. Extensive testing confirms that this amplifier is the absolute best it can be. In order to get the most out of your new amplifier, we strongly urge you to read this manual before you begin playing.

And **thank you** for choosing Crate.

Here are some of the features packed into your new Profiler Model 5 Stereo Combo Amplifier:

- 5 watts rms power output
- 2 x 4" speakers
- 11 digitally controlled analog classic amp profiles
- Proprietary "Tone" EQ control
- Stereo DSP Effects including Delay, Modulation Effects, and Reverb sections
- Audio Input
- Headphone Output
- USB Port
- AC Adapter or battery-powered
- Tracktion software application included

## Profile Tracking

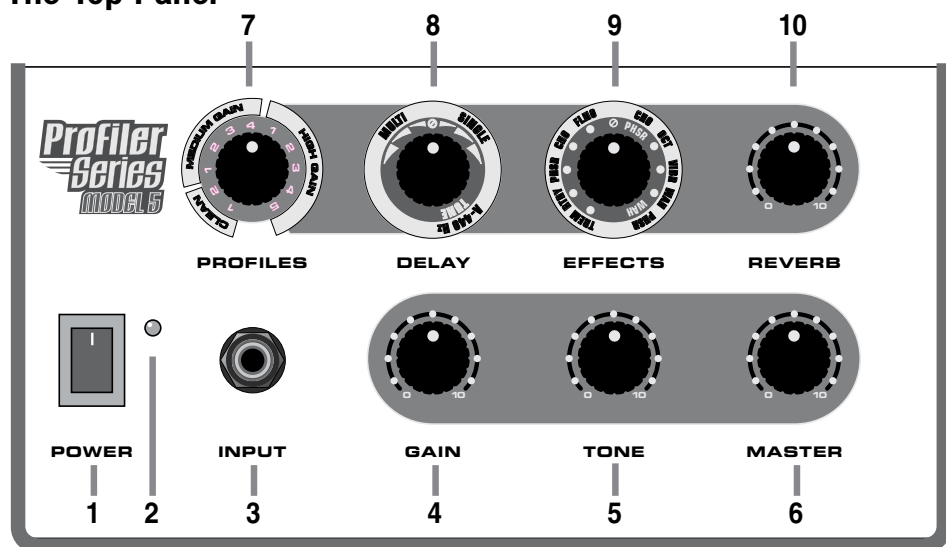
Your Crate Profiler Model 5 gives you the power of Profile Tracking. Once you select a DSP setting for each profile, Profile Tracking stores the settings to memory whenever you change profiles. When you go back to that profile, Profile Tracking recalls those DSP settings automatically, without changing the DSP controls!

For example:

- Select a Clean profile. Set the Effects control to “Flanger,” the Delay control to “Multi,” and adjust the Reverb control to your preference.
- Select a Medium Gain profile. Set the Effects control to “Chorus,” the Delay control to “Single,” and readjust the Reverb control to a different setting. (The DSP settings for the Clean profile are now saved to memory.)
- Select a High Gain profile. Set the Effects control to “Phaser,” the Delay control to another “Multi” setting, and readjust the Reverb control once again. (The DSP settings for the Medium Gain profile are now saved to memory.)
- Reselect the first Clean profile. (The DSP settings for the High Gain profile are now saved to memory.)

When you reselected the Clean profile, the DSP settings previously stored in memory were automatically recalled. Switch to the Medium Gain profile and the DSP settings you just stored are still there. You can change the DSP settings at any time. Once you set the DSP and select another profile, Profile Tracking stores the settings for you. Even when the amplifier is turned off, the DSP settings are stored and recalled the next time you turn it on. That's the power of Profile Tracking!

## The Top Panel



**1. POWER:** Use this switch to turn the amplifier on (top of the switch depressed) and off (bottom of the switch depressed).

**2. POWER LED:** This LED illuminates when the POWER switch is on and the amplifier has power provided from either the supplied AC adapter or the battery pack.

**3. INPUT:** Use this jack to connect your guitar to the amplifier by means of a shielded instrument cable.

**4. GAIN:** Use this control to adjust the amount of gain for the Medium Gain and High Gain profiles. The amount of gain varies, depending on the profile selected. The more gain, the more distortion. The Gain control has no effect when a Clean profile is selected.

**5. TONE:** Use this control to “dial in” the tone. Rotating this control counter-clockwise results in a darker sound, while rotating it clockwise will give you a brighter sound.

**6. MASTER:** Use this control to adjust the overall output level of the amplifier.

**7. PROFILES:** Use this switch to select one of 11 different amplifier profiles. These profiles simulate the sound of 11 popular amplifiers. There are two clean profiles, four

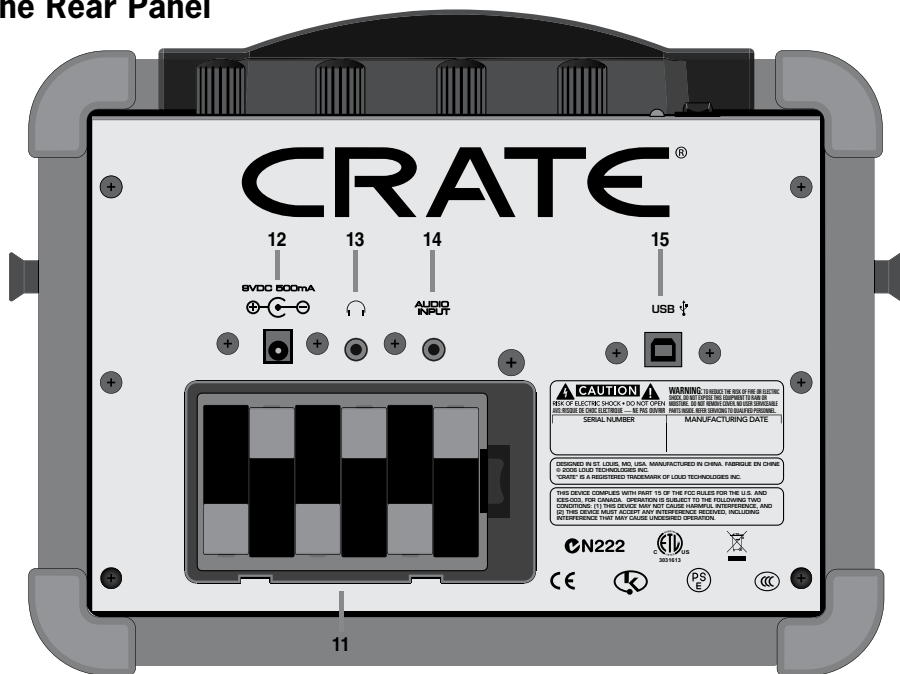
medium gain profiles, and five high gain profiles. More information about these profiles is provided on page 7.

**8. DELAY:** Use this control to select the type of digital delay effect. When the control is straight up (12 o'clock), the delay effect is bypassed. Turning the control to the left (counterclockwise) provides five different presets of multi-repeat delay settings. Turning the control to the right (clockwise) results in four different presets of single-repeat delay settings. The last position in the clockwise direction turns on the A-440 Hz tuner. It provides a repeating 440 Hz tuning fork tone as a tuning reference.

**9. EFFECTS:** Use this control to select one of ten digital modulation effects. When the control is straight up (12 o'clock), the modulation effects are bypassed. More information about these effects is provided on page 8.

**10. REVERB:** Use this control to adjust the amount of digital reverb effect. In its fully counterclockwise position, the signal will be “dry” (without reverb). As you rotate this control clockwise, the amount of reverb increases.

## The Rear Panel



**11. BATTERY COMPARTMENT:** Remove the cover to the battery compartment by pressing the clip on the right-hand side of the cover and pulling it out. Install six "AA" alkaline batteries, making sure to orient them correctly as indicated by the markings inside. Reinstall the cover and you're ready to go!

**12. POWER IN:** This is where you connect the AC adapter to provide power to the Profiler Model 5 whenever AC power is available to prolong the life of the batteries.

**Note:** When the AC adapter is connected, power is automatically drawn from the AC adapter and not from the batteries.

**13. HEADPHONES:** Use this 1/8" stereo mini jack to connect headphones to the Profiler Model 5 and monitor the stereo signal that is playing in the two speakers. The internal speakers are disconnected when headphones are used.

**Note:** Depending on your headphones, you may need to use a stereo 1/8" plug to 1/4" jack headphone adapter, available at most electronic stores.

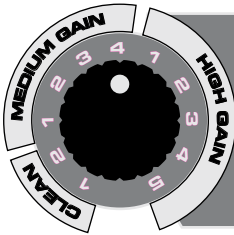
**14. AUDIO INPUT:** Use this 1/8" stereo mini jack to connect the output from a CD player, MP3 player, laptop, etc., to the amplifier. The stereo signal at the Audio Input is summed with the left and right signals in the amplifier just before the USB output and the Master volume control. This allows you to play along with your favorite music. Use the output level control for the signal source to adjust the signal for the proper mix with your guitar.

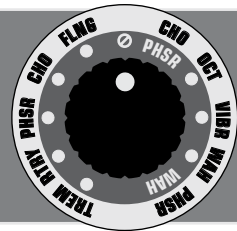
**Note:** Depending on your CD player or other signal source, you may need to use an adapter (i.e., two phono jacks to 1/8" stereo plug), available at most electronic stores.

**15. USB:** The USB (Universal Serial Bus) connector allows you to connect the Profiler Model 5 to a computer so you can record your guitar directly to Tracktion (or your favorite DAW application). Use a standard USB cable (not supplied) to make this connection.



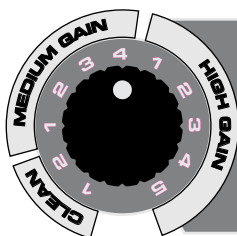
## The DSP Section


**PROFILES**

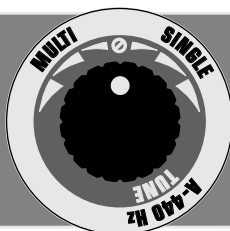
**DELAY**

**EFFECTS**

<b>Profiles</b>	<b>Description</b>
Clean 1	Acoustic
Clean 2	Clean
Medium Gain 1	Small Tweed
Medium Gain 2	Large Tweed
Medium Gain 3	Vintage Club
Medium Gain 4	Top Mount
High Gain 1	High Watt
High Gain 2	Sixties UK
High Gain 3	Flex Wave
High Gain 4	Dual Rectifier
High Gain 5	California Mod

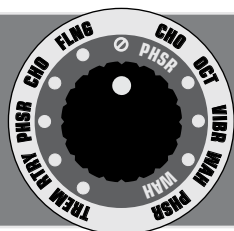
<b>Delay</b>	<b>Description</b>
Center Bypass (no delay)	
<i>Multi</i> (Turning control counterclockwise from center)	
1.	Quick multiple delays, alternating right/left, tapering off
2.	Quick multiple delays, alternating right/left, slightly louder, tapering off
3.	Quick multiple delays, alternating right/left, a little louder, tapering off
4.	Longer multiple delays, alternating right/left, tapering off
5.	Longer multiple delays, alternating right/left, slightly louder, tapering off
<i>Single</i> (Turning control clockwise from center)	
1.	Quick single delay
2.	Longer single delay
3.	Longer single delay, slightly louder
4.	Even longer single delay
5.	A-440 Hz Tuning (repeating tuning fork tone)



**PROFILES**



**DELAY**



**EFFECTS**

### Effects

1. Tremolo
2. Rotary Speaker
3. Classic Phaser
4. Stereo Chorus
5. Stereo Flanger
6. Bypass (no effects)
7. Stereo Chorus w/Phaser
8. Octave Down (adds pitch one octave down from original)
9. Vibrato
10. Auto Wah
11. Auto Wah with Phaser



## Installing Tracktion

The CD that came with your Profiler Model 5 contains Tracktion, compliments of Mackie. Tracktion is an easy-to-use multitrack audio recording and MIDI sequencing software application, capable of unlimited track count, VST support, automation, and much more. It comes with a variety of EQ, compressor, and effects plug-in processors for creating exactly the sound you want.

*To install the software:*

### **For a PC**

Place the CD into the CD drive on your computer. Double-click the file "TracktionSetup.exe" and follow the instructions to install Tracktion on your PC.

### **For a Macintosh**

Place the CD into the CD drive on your computer. Double-click the file "TracktionSetup.dmg" and drag the Tracktion icon into your Applications folder.

Visit <http://my.mackie.com> to register Tracktion. If you haven't already done so, set up an account by entering your email address and clicking, "No, I want to create an account." Then click "Continue."

Enter the information to set up your profile. Then click, "Create My Account." Proceed to register your Tracktion software.

Your computer **must** meet the following minimum system requirements:

### **PC Requirements**

- Windows XP (SP2)
- Pentium III or better processor
- 256 MB RAM (512 MB recommended)
- 30 MB hard disk space

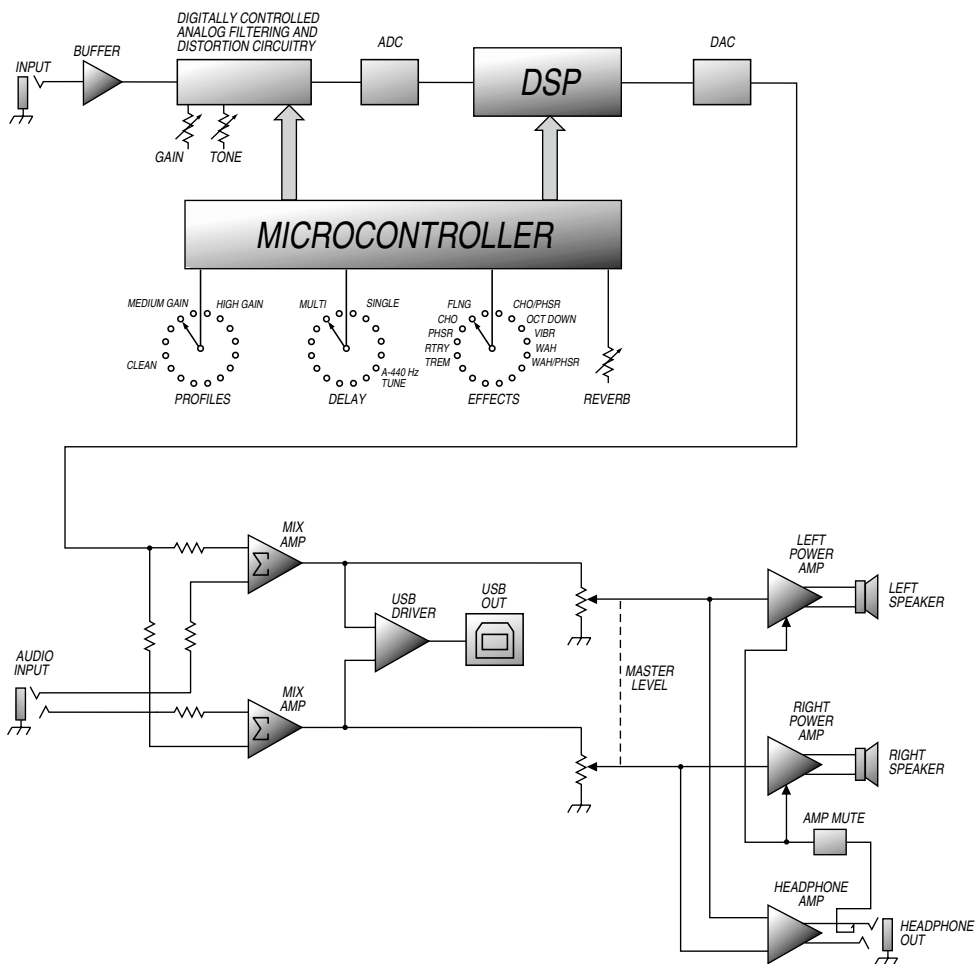
### **Macintosh Requirements**

- OS X (10.3.9 or later)
- Power Mac G3 (600 MHz or faster), G4, or G5 processor
- 256 MB RAM (512 MB recommended)
- 35 MB hard disk space

After you have installed Tracktion, start the application and connect your Profiler Model 5 to your computer using a standard USB cable. Click the "Settings" tab in Tracktion, and select "Profiler by CRATE" in the Wave Device drop-down box under the Audio options. When you create a new project, two inputs will appear in the edit page corresponding to the Profiler Model 5's left and right inputs.

Be sure to read the Tracktion Quick-Start Guide to help you get started with all the cool features in Tracktion.

## System Block Diagram



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this device not expressly approved by LOUD Technologies Inc. could void the user's authority to operate the equipment under FCC rules.

### **Declaration Of Conformity**

<b>Manufacturer:</b>	LOUD Technologies Inc. 16220 Wood-Red Rd. NE Woodinville, WA 98072, USA
<b>Product Name:</b>	Crate Profiler Model 5
<b>Product Type:</b>	Audio Amplifier
<b>Complies with Standards:</b>	
<b>LVD:</b>	92/31/EEC, 93/68/EEC, & 73/23/EWG
<b>Safety:</b>	EN60065
<b>EMC:</b>	EN55013, EN55020, EN55022, EN55103, EN61000-3-2, & EN61000-3-3

The official Declaration of Conformity for this product is kept on file at:  
LOUD Technologies Inc., 16220 Wood-Red Road NE, Woodinville, WA 98072 • Tel: 1-866-858-5832

## Profiler Model 5 Technical Specifications

Output Power Rating	2 x 2.5 watts rms @ 5% THD into 4 ohms
Gain (Profile High Gain 5: California Mod)	82 dB with Gain and Master controls @ 10
CD Input	32 dB
Maximum Input Signal Accepted	2.5 volts rms @ 400 Hz
Input Impedance	1M ohm
Tone Control	Proprietary Circuit
Speaker Size and Rating	2 x 4", 4 ohms each
Power Requirements	
	AC Adapter: 9 VDC @ 500 mA
	Battery: 6 AA alkaline batteries
Size (H x W x D)	8.1 in/20.6 cm x 11.5 in/29.2 cm x 7.0 in/17.8 cm
Weight	6.7 lb/3.0 kg

**The Profiler Model 5 is covered with a durable Tolex material. Wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.**

*Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this manual are subject to change without notice.*

*"Crate" is a registered trademark of LOUD Technologies Inc. All other brand names mentioned are trademarks or registered trademarks of their respective holders and are hereby acknowledged.*

## Service Information

If you are having a problem with your Profiler Model 5, you can go to our website ([www.crateamps.com](http://www.crateamps.com)) and click on Support for service information, or call 1-800-898-3211 during business hours (7 am to 5 pm PST, Monday-Friday). If you are outside of the U.S., contact your local distributor for technical support and service.



[www.crateamps.com](http://www.crateamps.com)

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